F1G. 1

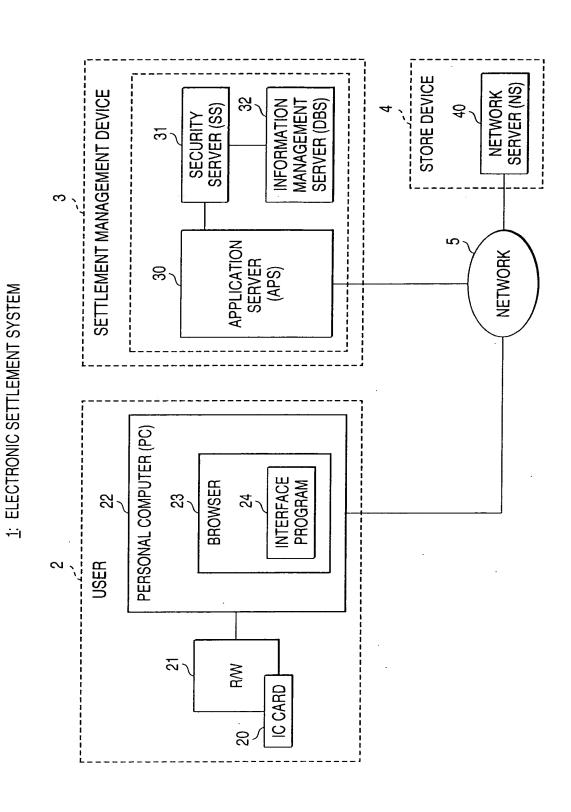


FIG. 2A

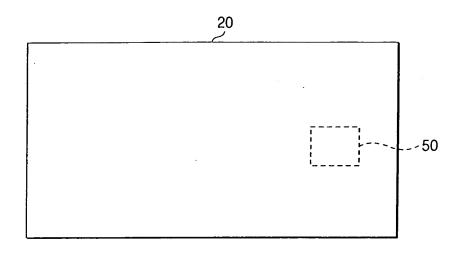
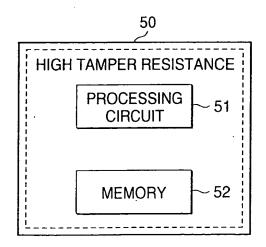


FIG. 2B



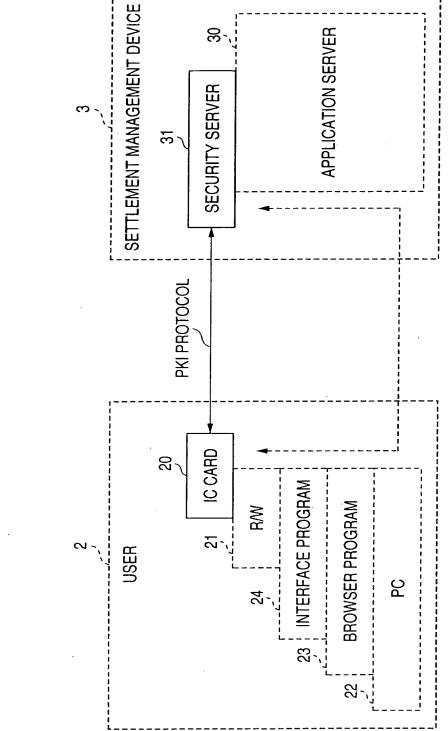


FIG. 3

HTTPS LAYER **NETWORK SERVER** 8 PKI PROTOCOL IC CARD INTERFACE PROGRAM ₽Š **BROWSER PROGRAM** USER <u>В</u> 54 83 75

FIG. 4

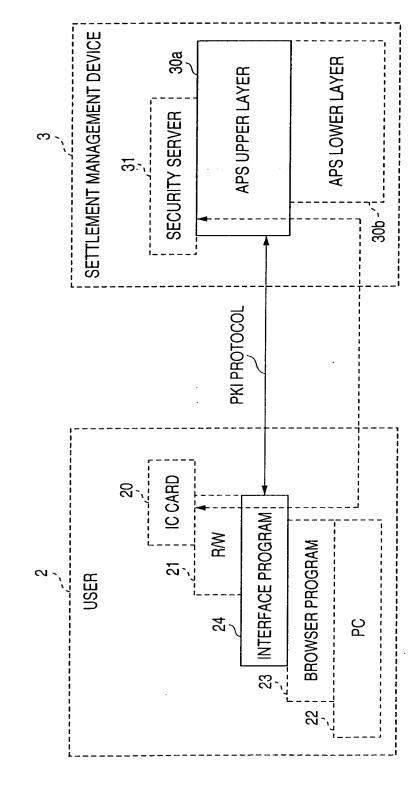


FIG. 5

FIG. 6

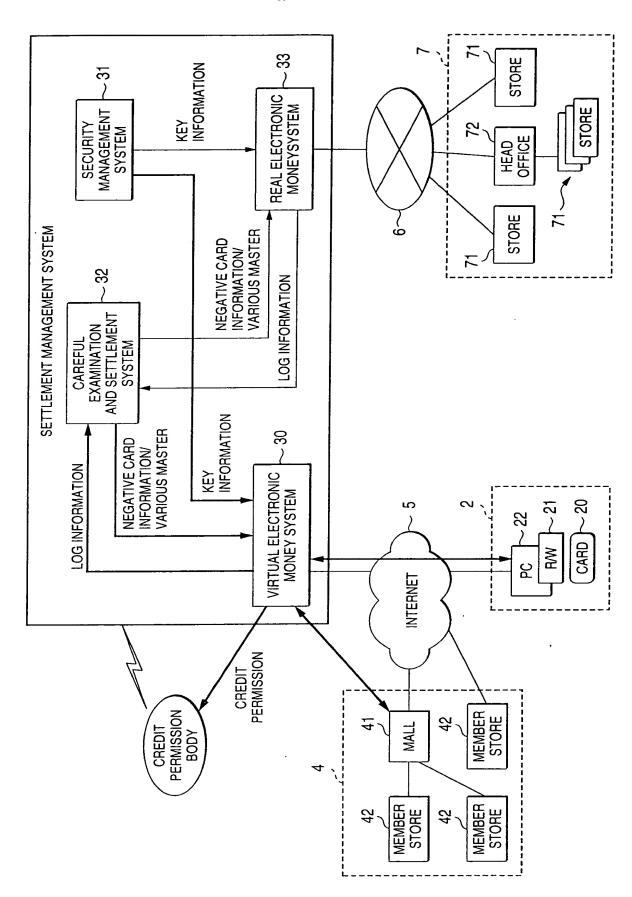
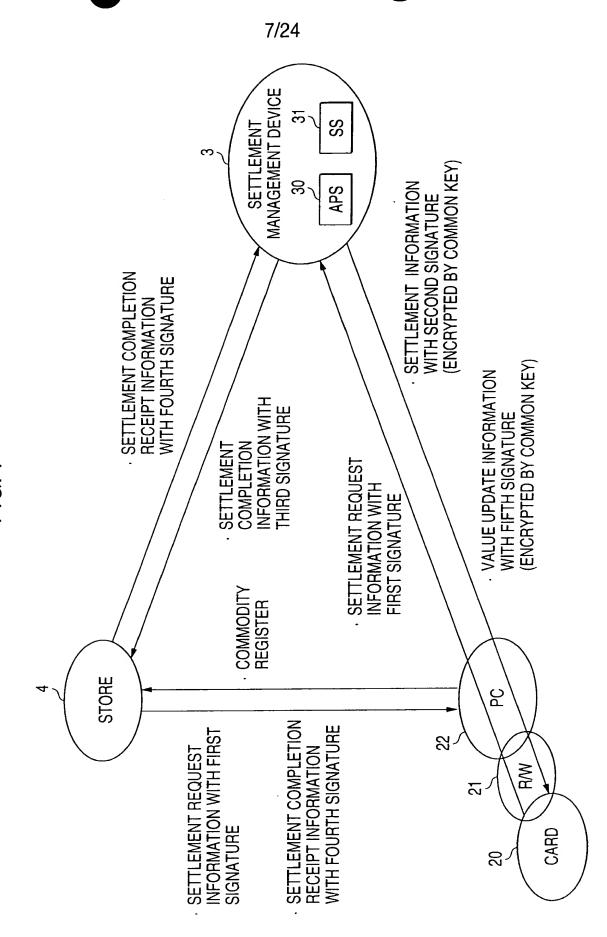
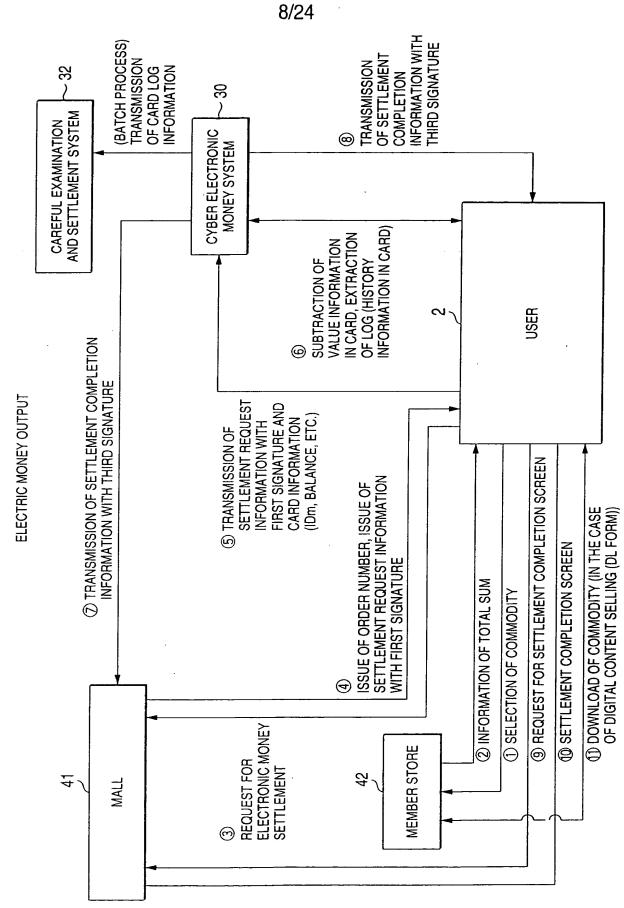


FIG. 7



F/G. 8



SS

FIG. 10

~ST12 ST13 MUTUAL AUTHENTICATION SETTLEMENT INFORMATION (BRC) OF LOG INFORMATION O~Kses CREATION T/Rc SIG2 TO \$ 8 SS KSHOP, P ~ST12 Kses SIG2 CHECK (CKECK OF BILL) ST9 BRC RELAY VALUE INFORMATION TRANSMISSION SEQUENCE (1) APS SETTLEMENT REQUEST INFORMATION ST13 ~ BRC RELAY KSHOP, P IT S ~ST12 KSHOP, S BRC RELAY 22 <u>В</u> SETTLEMENT REQUEST INFORMATION (STG1) SSL AUTHENTICATION ST13 ~ BRC RELAY ST7 24 START, ST8 IC CARD BALANCE INFORMATION BI READOUT ST13 KSES \ Kses~(

10/24

FIG. 11

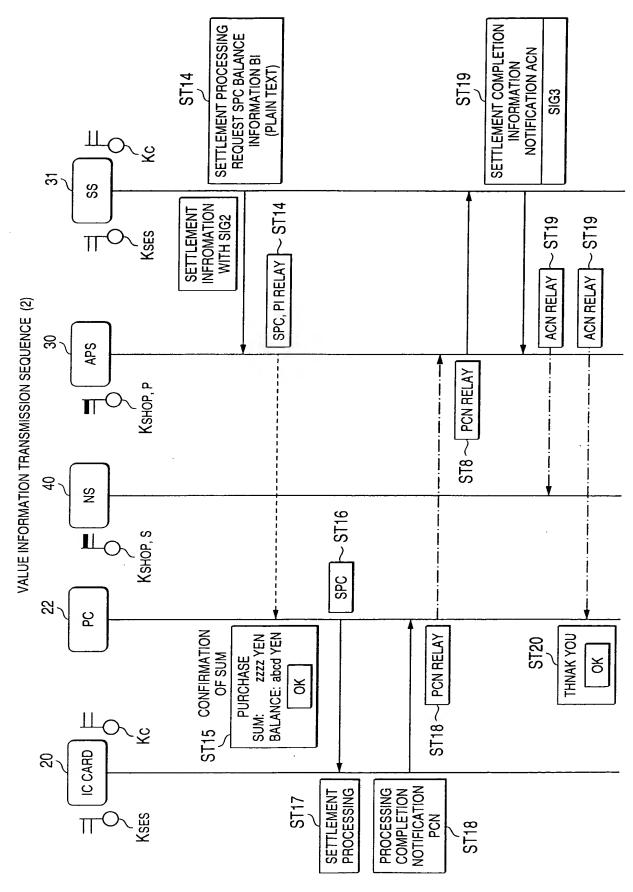


FIG. 12

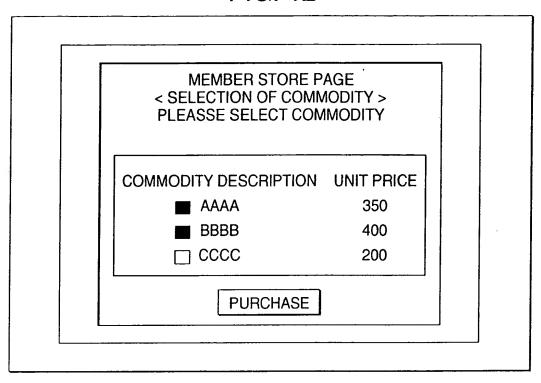


FIG. 13

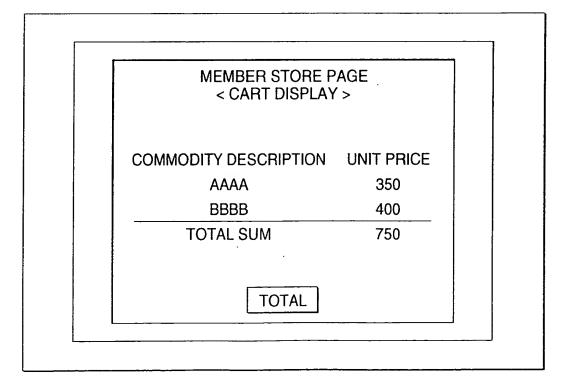


FIG. 14

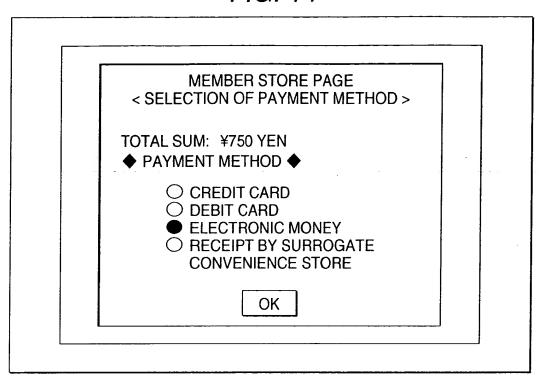


FIG. 15

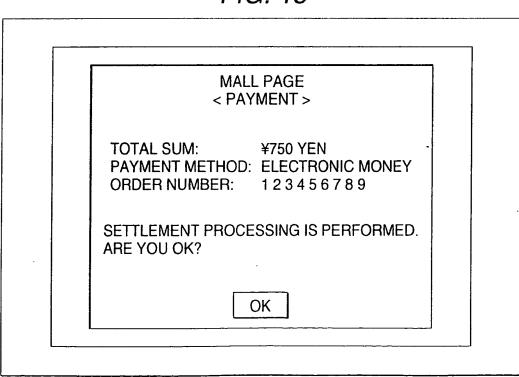


FIG. 16

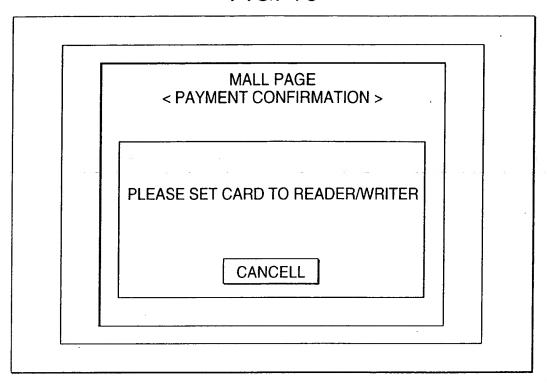


FIG. 17

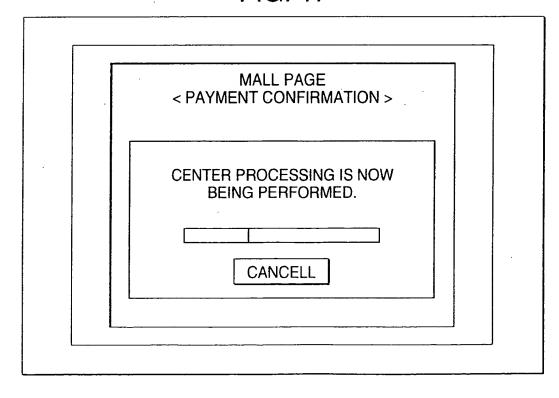


FIG. 18

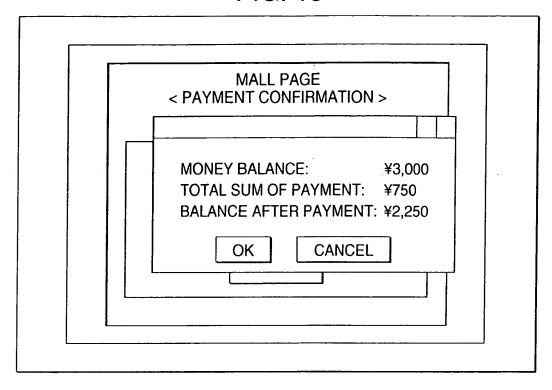


FIG. 19

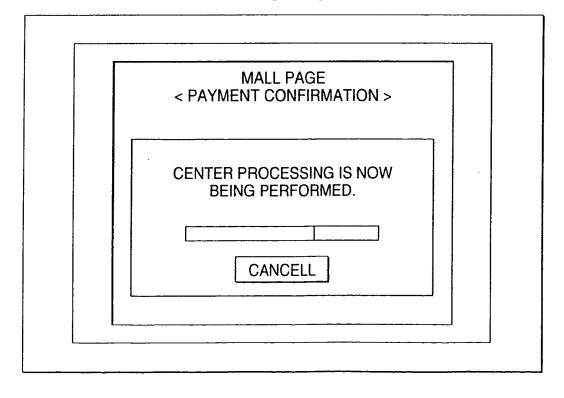
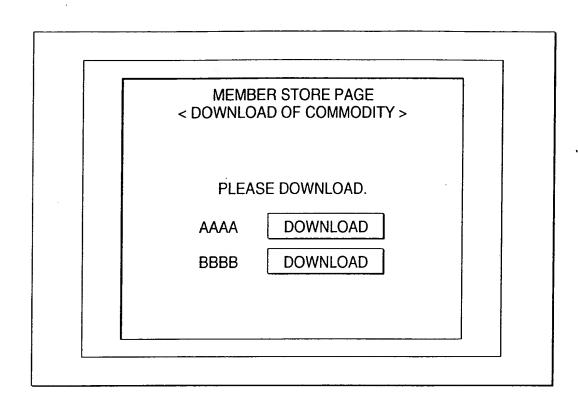


FIG. 20



3 SS KSES APS KSHOP, P KSHOP, S SETTLEMENT REQUEST SESSION ID (ORDER ID) COMMODITY INFORMATION TRANSMISSION SEQUENCE INFORMATION WITH SIGNATURE MALL INFORMATION SUM EFFECTIVE PERIOD Sig1 ST103 8 FIG. 21 g COMMODITY: xx yy VALUE TOTAL: START OF Activex AND BALANCE CONFIRMATION SETTLEMENT REQUEST AL: ZZZZ YEN PLEASE PUT CARD KSHOP, S WITH SIGNATURE INFORMATION ST105 ST104 š ပ COMMODITY DETERMINATION **AUTHENTICATION** SSL AUTHENTICATION ST106 ST101 BALANCE AND IDM ST102~ IC CARD BALANCE AND IDm READ XSFS C

FIG. 22

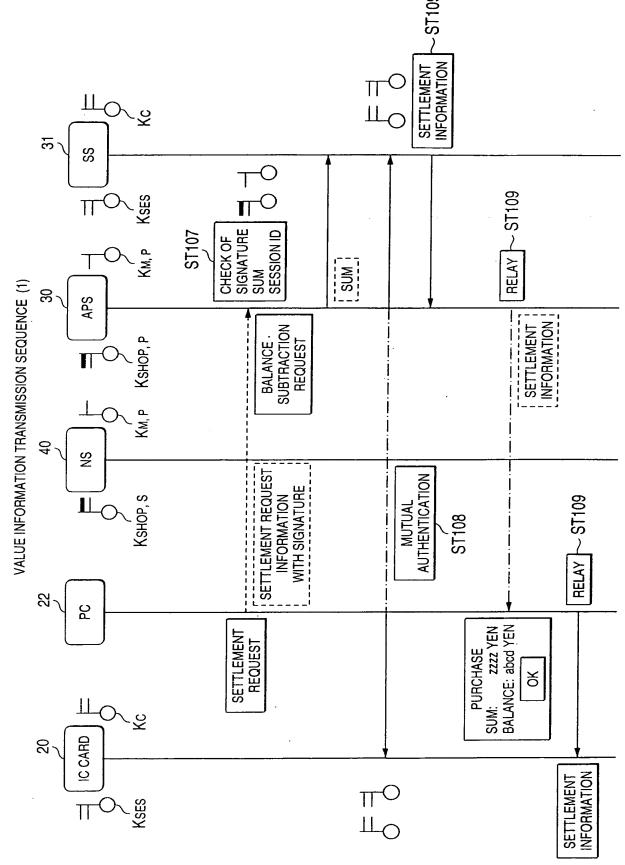
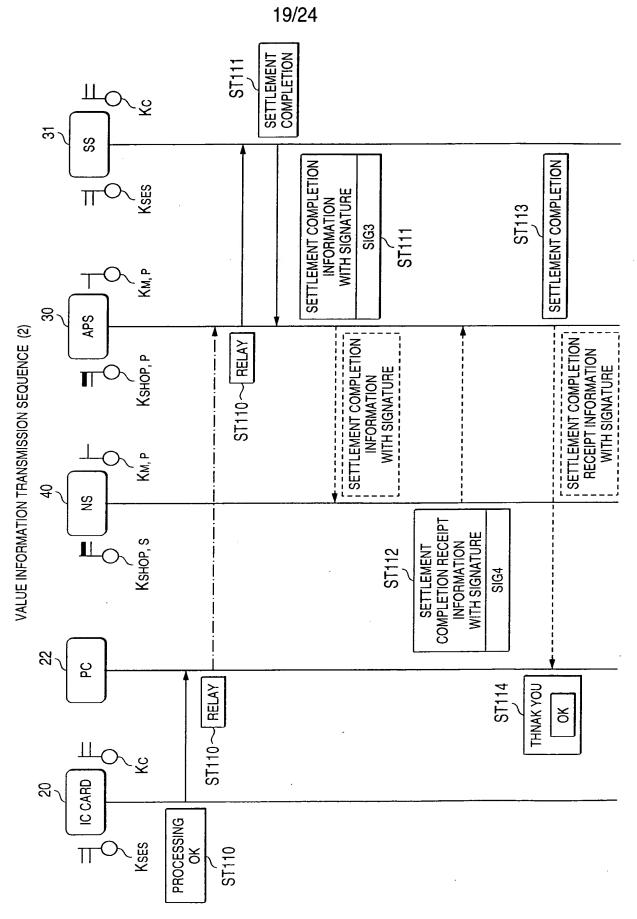


FIG. 23



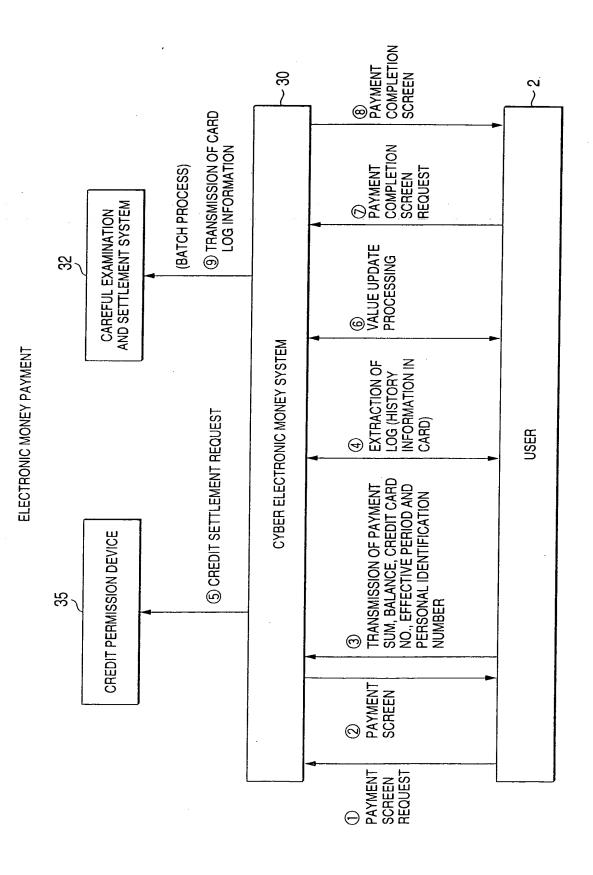


FIG. 25

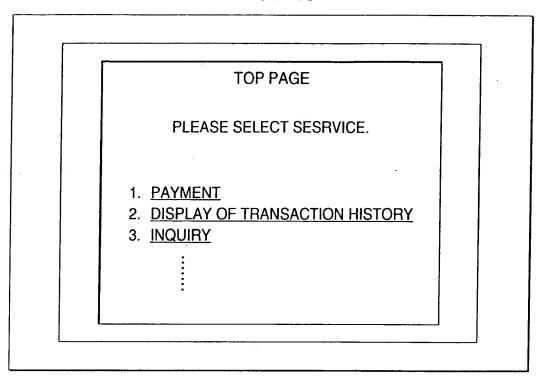


FIG. 26

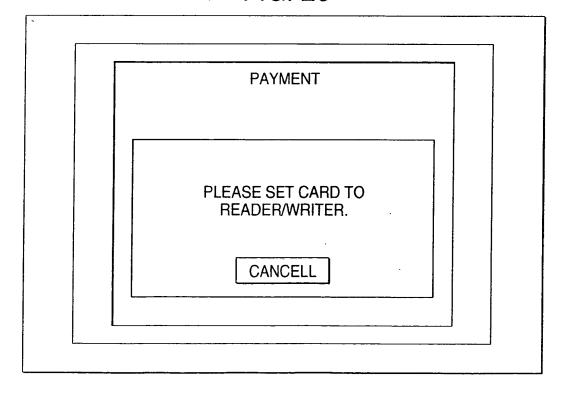


FIG. 27

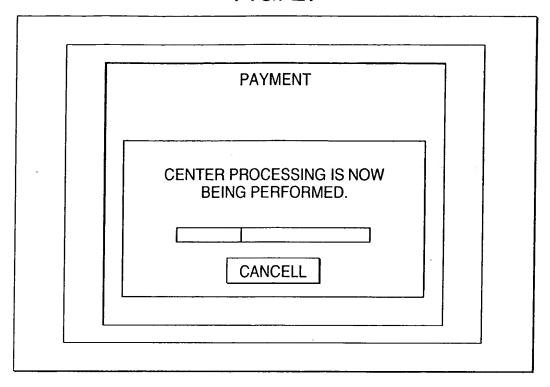


FIG. 28

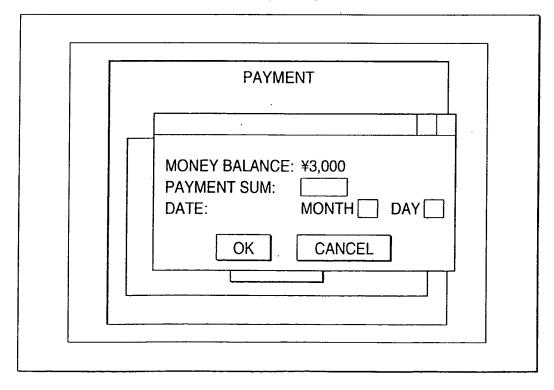


FIG. 29

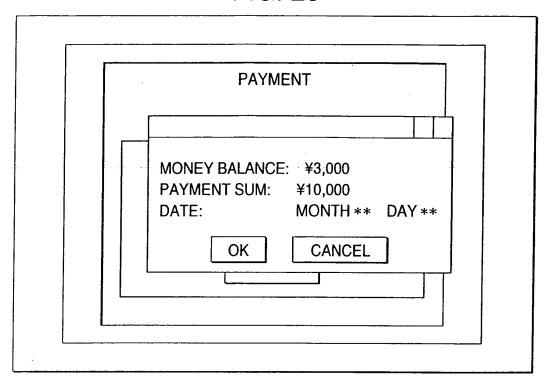


FIG. 30

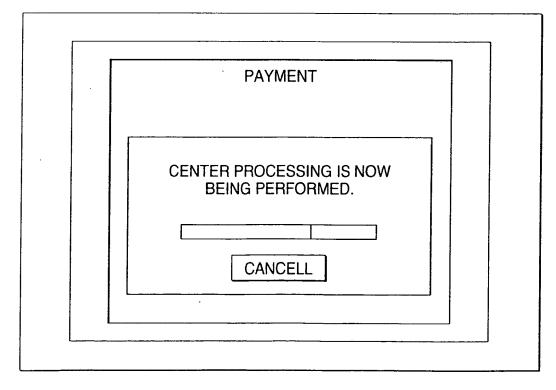


FIG. 31

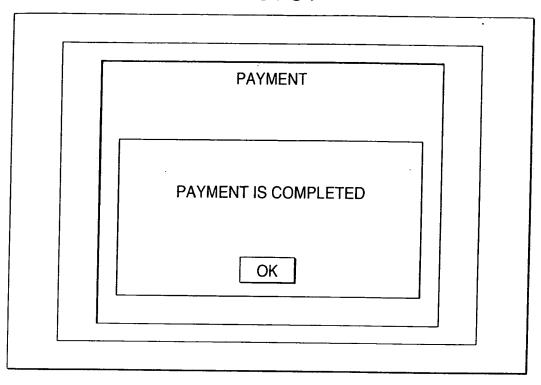


FIG. 32

